WALL SPEAKER



interM

Wall Speaker

WS-203/210/230(I/B)

WS 200 series is providing a natural and smooth sound with a variety of it fits to any places that announcements and BGM required such as schools, government office, hotels and etc. And it ensures the quality and durability by acquiring KS certification in the Korea's first.



FEATURES

- **High quality speaker driver**
- **Stylish and sleek design**
- **Easy installation**
- **Outdoor speaker**
- **High reliability**
- **WS-203/210 : 1Way Speaker system (6.5" Full-range, adapt SUB-CONE)**
- **WS-230 : 2Way Speaker system (6.5" Full-range, adapt SUB-CONE)**

SPECIFICATION

Model		WS-203	WS-210	WS-230
Type		6.5" Full-range Wall Speaker (Sub Cone)	6.5″ Full-range Wall Speaker (Sub Cone)	6.5″ Full-range Wall Speaker (Sub Cone)
Driver		6.5"	6.5"	6.5" WF + 13mm TW
Power Handling (IEC)		3W	10W	30W
Input Power	100V	3W / 2W / 1W	10W / 5W / 3W	30W / 20W / 10W
Nominal Impedance	100V	3.3kΩ / 5kΩ / 10kΩ	1kΩ / 2kΩ / 3.3kΩ	330Ω / 500Ω / 1kΩ
Frequency Range (-20%)		123Hz ~ 20kHz	84Hz ~ 20kHz	99Hz ~ 20kHz
Sensitivity (1W/1m)		87dB	87dB	89dB
Maximum SPL		92dB	97dB	104dB
Nominal Dispersion (Conical)	4kHz	140˚ x 190˚	130˚ x 190˚	150˚ x 180˚
	4kHz	40˚ x 50˚	40˚ x 40˚	90˚ x ˚90
Input Connection		Bi-Wired	Bi-Wired	Bi-Wired
Enclosure Material		HIPS (V0)	HIPS (V0)	HIPS (V0)
Enclosure Color		Black/Ivory	Black/Ivory	Black/Ivory
Grille Material		Jersey	Jersey	Jersey
Grille Color		Black/Ivory	Black/Ivory	Black/Ivory
Weight (Net)		1.1kg	1.2kg	2.2kg
Dimensions (Net, WxHxD, mm)		315 x 183 x 103	315 x 183 x 103	315 x 183 x 124
Weather Resistant		-	-	-
Flame Resistant		O	O	O
Certification		KS	KS	KS
Included Accessories		Anchor bolt x 1	Anchor bolt x 1	Anchor bolt x 1

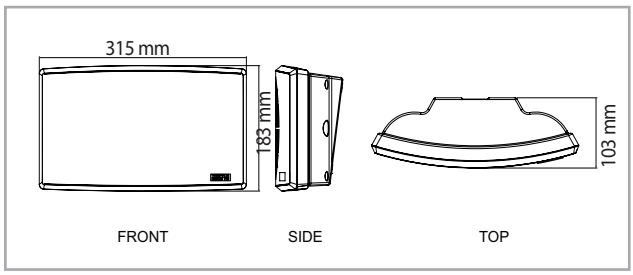
WS-203/210/230(I/B)

Wall Speaker

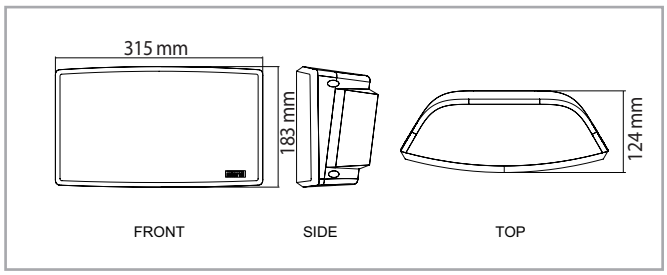
TECHNICAL DATA

DIMENSION

• WS-203/210

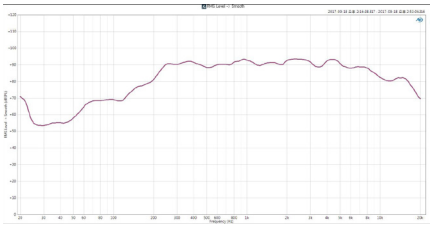


• WS-230

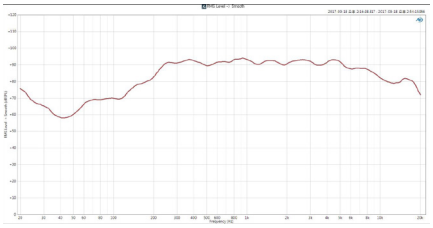


FREQUENCY RANGE

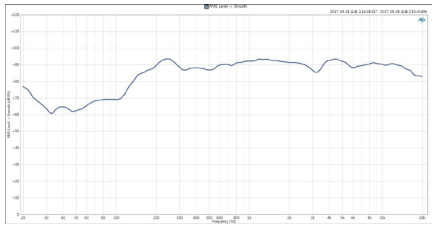
• WS-203



• WS-210

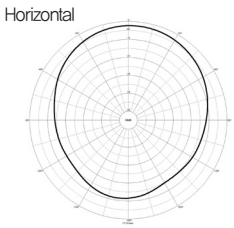


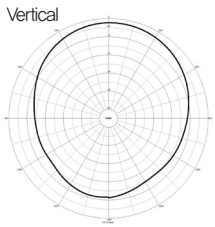
• WS-230



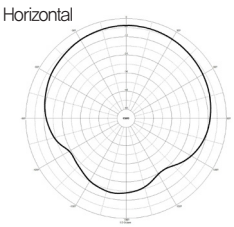
POLAR PATTERN

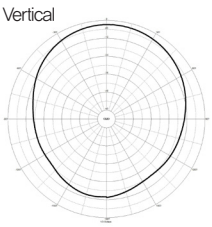
• WS-203



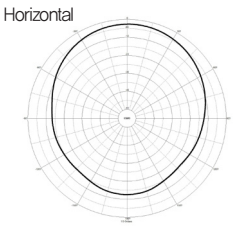


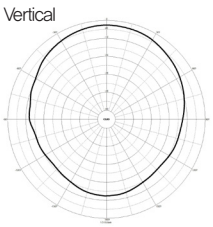
• WS-210



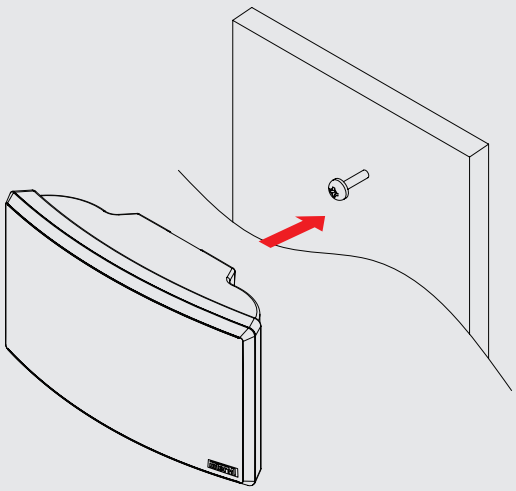


• WS-230





SPEAKER INSTALLATION GUIDE



Wall Speaker

SWS-03/03A/10/10A(I/B)

SWS series is providing a natural and smooth sound with a variety of
It fits to any places that announcements and BGM required such as schools, government office, hotels and etc. And it ensures the quality and durability by acquiring KS certification in the Korea's first.



FEATURES

- **High quality speaker driver produce detail and rich sound**
- **Stylish and sleek design wall speaker**
- **Harmonized with general structure when installed**
- **Sound volume adjustable with attenuator (SWS-03A/10A)**

SPECIFICATION

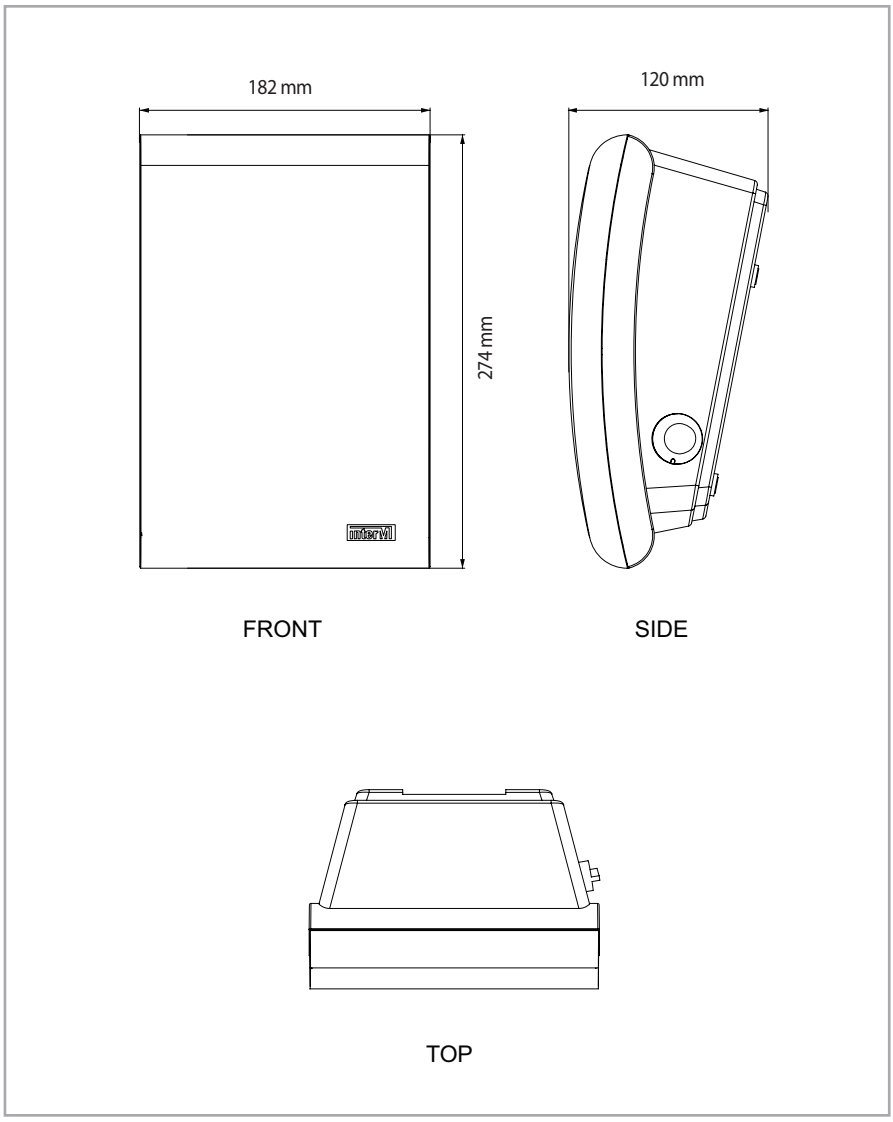
Model		SWS-03	SWS-03A	SWS-10	SWS-10A
Type		6.5" Full-range Wall Speaker	6.5" Full-range Wall Speaker	6.5" Full-range Wall Speaker	6.5" Full-range Wall Speaker
Driver		6.5"	6.5"	6.5"	6.5"
Power Handling (IEC)		3W	3W	10W	10W
Input Power	100V	3W / 2W / 1W	3W / 2W / 1W	10W / 5W / 3W	10W / 5W / 3W
Nominal Impedance	100V	3.3kΩ / 5kΩ / 10kΩ	3.3kΩ / 5kΩ / 10kΩ	1kΩ / 2kΩ / 3.3kΩ	1kΩ / 2kΩ / 3.3kΩ
Power Selection		-	Rotary Switch	-	Rotary Switch
Frequency Range (-20%)		114Hz ~ 20kHz	114Hz ~ 20kHz	117Hz ~ 17.4kHz	117Hz ~ 17.4kHz
Sensitivity (1W/1m)		88dB	88dB	88dB	88dB
Maximum SPL		93dB	93dB	98dB	98dB
Nominal Dispersion (Conical)	1kHz	170˚ x 130˚	170˚ x 130˚	178˚ x 129˚	178˚ x 129˚
	4kHz	50˚ x 40˚	50˚ x 40˚	49˚ x 49˚	49˚ x 49˚
Input Connection		4P Screw Terminal	4P Screw Terminal	4P Screw Terminal	4P Screw Terminal
Enclosure Material		HIPS	HIPS	HIPS	HIPS
Enclosure Color		Brown/Ivory	Brown/Ivory	Brown/Ivory	Brown/Ivory
Grille Material		Jersey	Jersey	Jersey	Jersey
Grille Color		Brown/Ivory	Brown/Ivory	Brown/Ivory	Brown/Ivory
Weight (Net)		1.2kg	1.2kg	1.23kg	1.23kg
Dimensions (Net, WxHxD, mm)		182 x 274 x 120	182 x 274 x 120	182 x 274 x 120	182 x 274 x 120
Weather Resistant		-	-	-	-
Flame Resistant		-	-	-	-
Certification		-	-	-	-
Included Accessories		Anchor bolt x 1	Anchor bolt x 1	Anchor bolt x 1	Anchor bolt x 1

SWS-03/03A/10/10A(I/B)

Wall Speaker

TECHNICAL DATA

DIMENSION



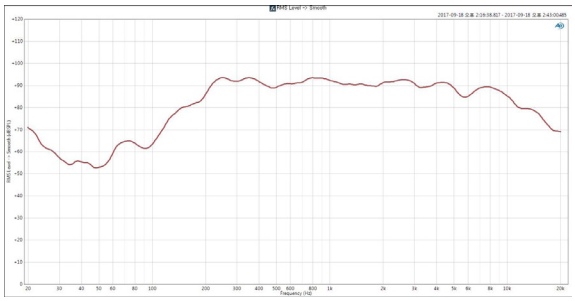
Wall Speaker

SWS-03/03A/10/10A(I/B)

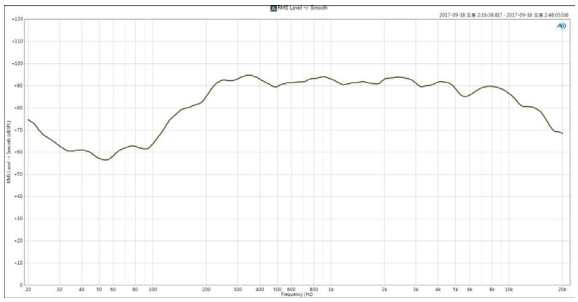
TECHNICAL DATA

FREQUENCY RANGE

• SWS-03



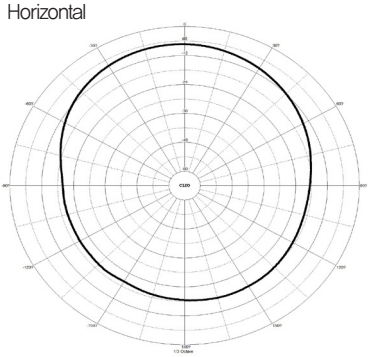
• SWS-03A



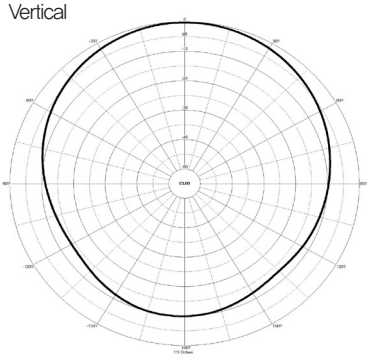
POLAR PATTERN (1kHz)

• SWS-03/03A

Horizontal

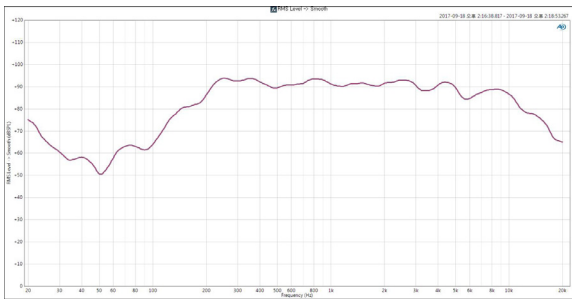


Vertical

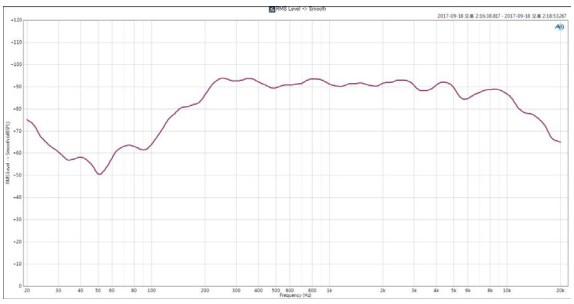


FREQUENCY RANGE

• SWS-10



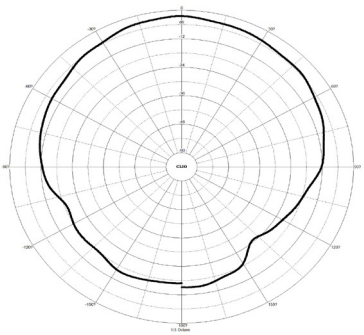
• SWS-10A



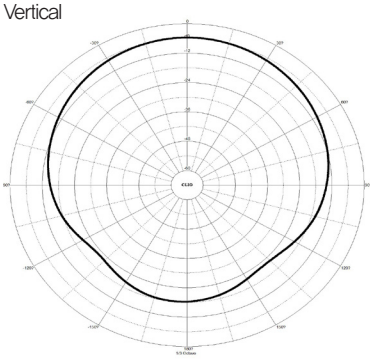
POLAR PATTERN (1kHz)

• SWS-10/10A

Horizontal



Vertical

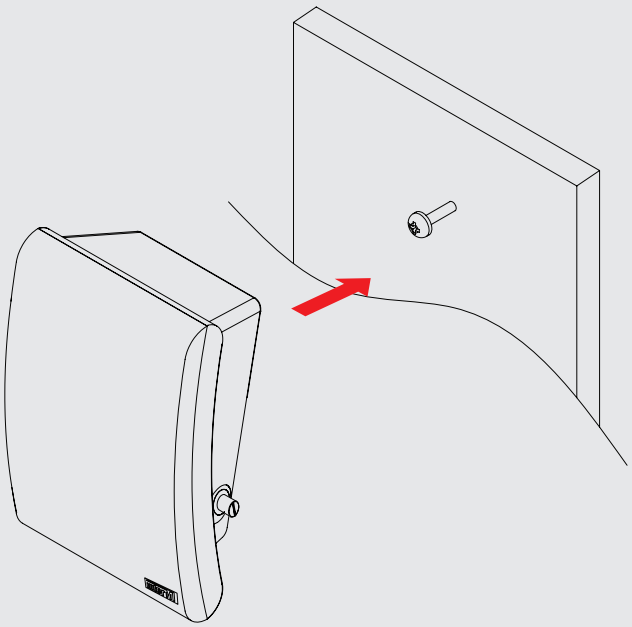


SWS-03/03A/10/10A(I/B)

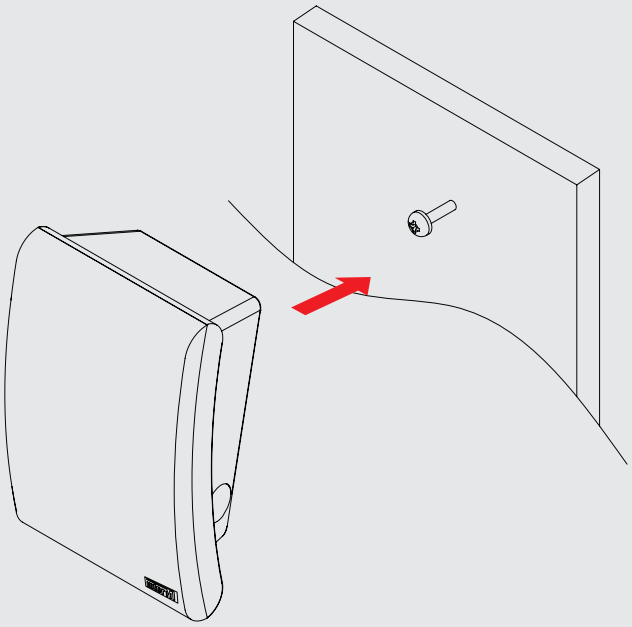
Wall Speaker

SPEAKER INSTALLATION GUIDE

• SWS-03A/10A



• SWS-03/10



Wall Speaker

IWS-10/10A(I/B)

IWS series is providing a natural and smooth sound with a variety of
It fits to any places that announcements and BGM required such as schools, government office, hotels and etc. And it ensures the quality and durability by acquiring KS certification in the Korea's first.



FEATURES

- **High quality speaker driver**
- **Stylish and sleek design wall speaker**
- **A design adopted in modern sense**
- **Sound volume adjustable with attenuator (IWS-03A/10A)**

SPECIFICATION

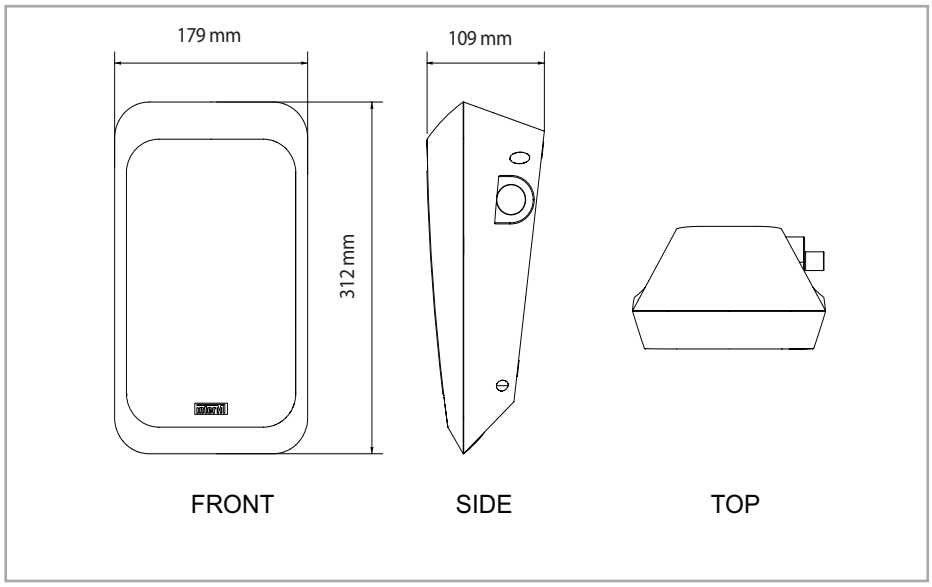
Model		IWS-10	IWS-10A
Type		6.5" Full-range Wall Speaker	6.5" Full-range Wall Speaker
Driver		6.5"	6.5"
Power Handling (IEC)		10W	10W
Input Power	100V	10W / 3W	10W / 3W
Nominal Impedance	100V	1kΩ / 3.3kΩ	1kΩ / 3.3kΩ
Power Selection		-	Rotary Switch
Frequency Range (-20%)		120Hz ~ 17.9kHz	120Hz ~ 17.9kHz
Sensitivity (1W/1m)		88dB	88dB
Maximum SPL		98dB	98dB
Nominal Dispersion (Conical)	1kHz	180˚ x 171˚	180˚ x 171˚
	4kHz	75˚ x 100˚	75˚ x 100˚
Input Connection		3P Screw Terminal	3P Screw Terminal
Enclosure Material		HIPS	HIPS
Enclosure Color		Black/Ivory	Black/Ivory
Grille Material		Jersey	Jersey
Grille Color		Black/Ivory	Black/Ivory
Weight (Net)		1.1kg	1.1kg
Dimensions (Net, WxHxD, mm)		179 x 312 x 109	179 x 312 x 109
Weather Resistant		-	-
Flame Resistant		-	-
Certification		-	-
Included Accessories		Anchor bolt x 1	Anchor bolt x 1

IWS-10/10A(I/B)

Wall Speaker

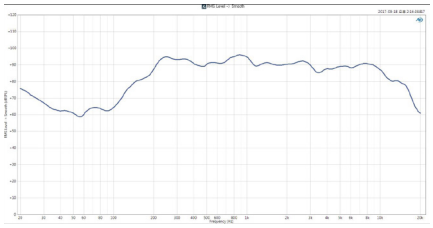
TECHNICAL DATA

DIMENSION

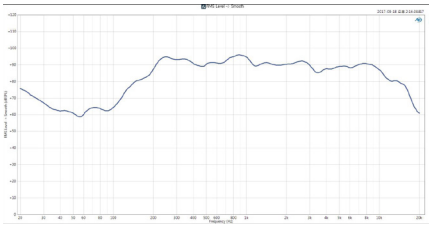


FREQUENCY RANGE

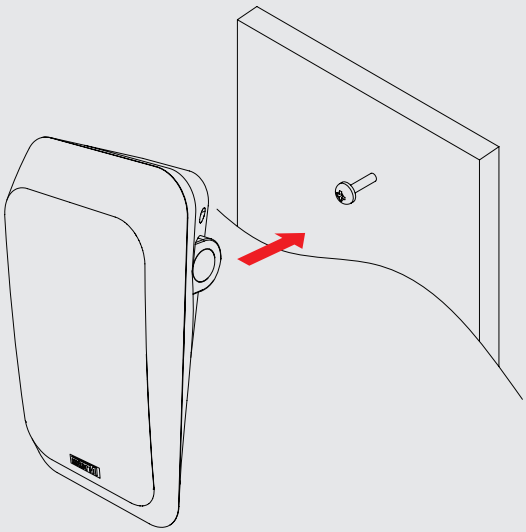
- IWS-10



- IWS-10A



SPEAKER INSTALLATION GUIDE



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